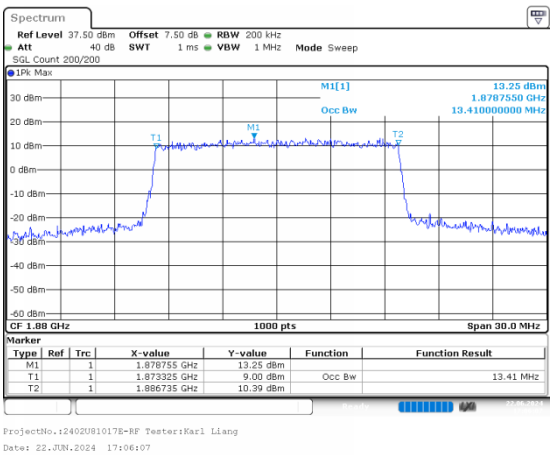
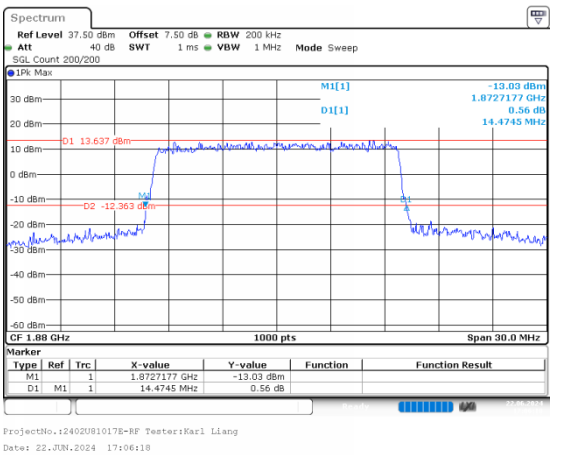
15MHz_Middle_16QAM_75@0

Occupied Bandwidth

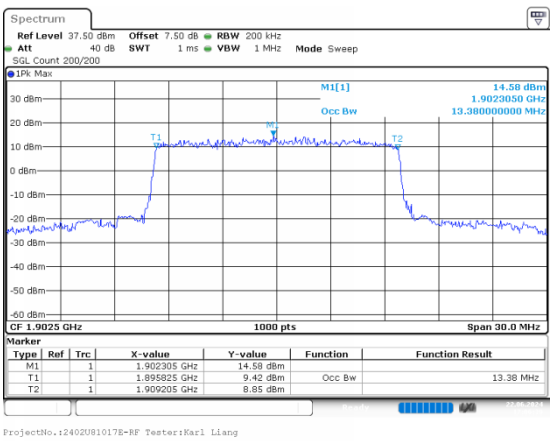


26dB Bandwidth



15MHz_High_QPSK_75@0

Occupied Bandwidth



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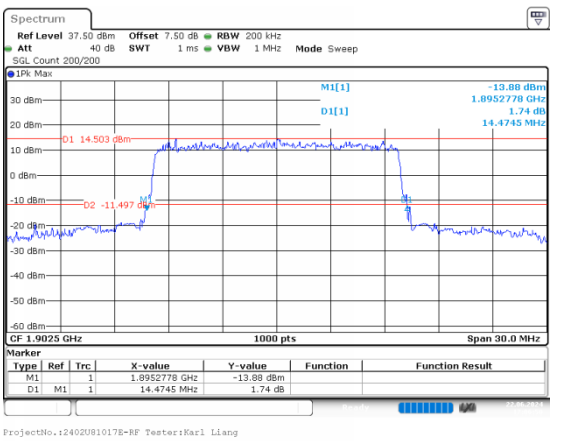
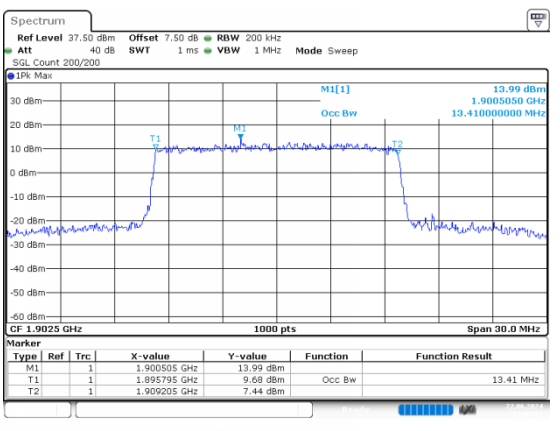


15MHz_High_16QAM_75@0

Occupied Bandwidth



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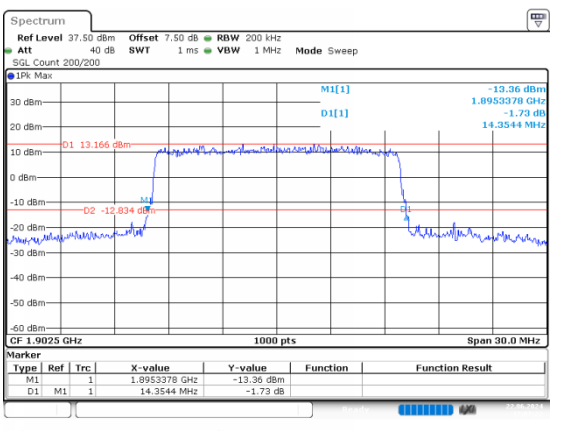
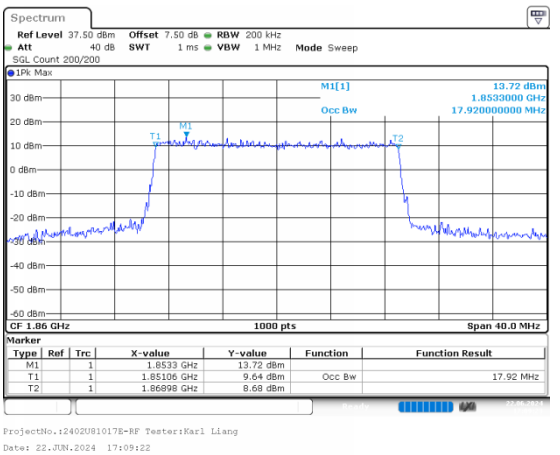


20MHz_Low_QPSK_100@0

Occupied Bandwidth



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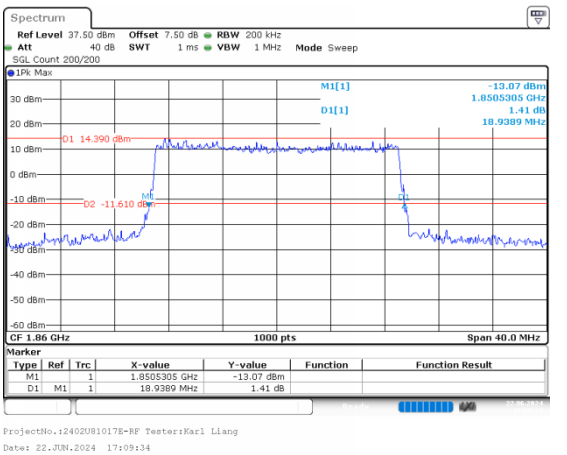

20MHz_Low_16QAM_100@0

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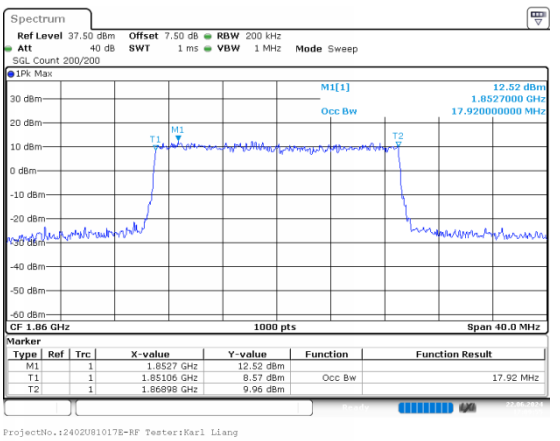
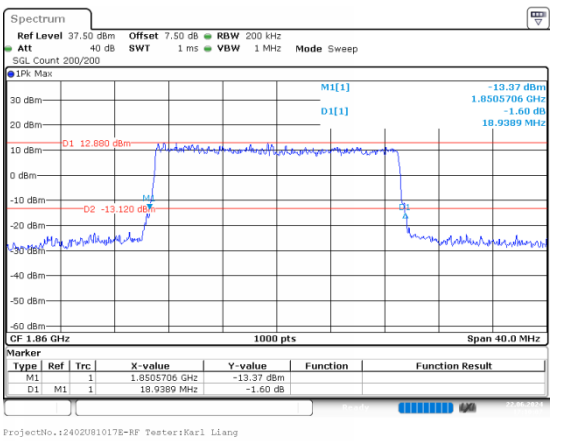
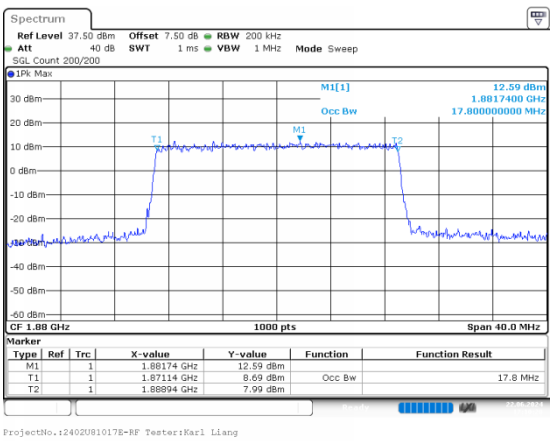


26dB Bandwidth

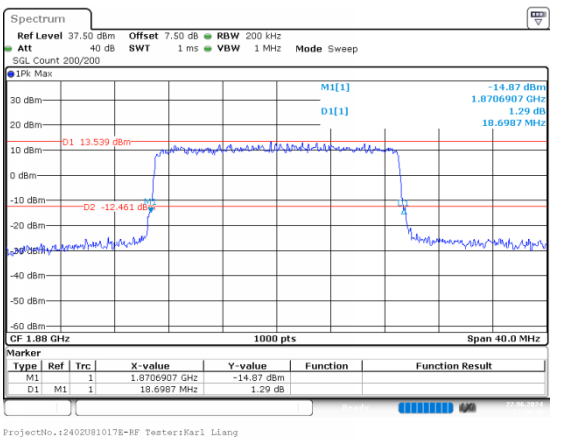


20MHz_Middle_QPSK_100@0

Occupied Bandwidth

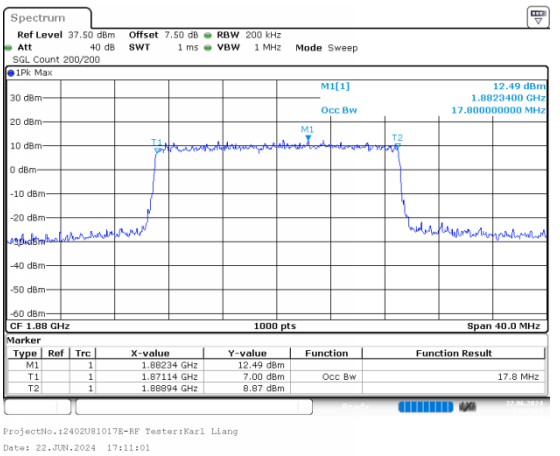


26dB Bandwidth

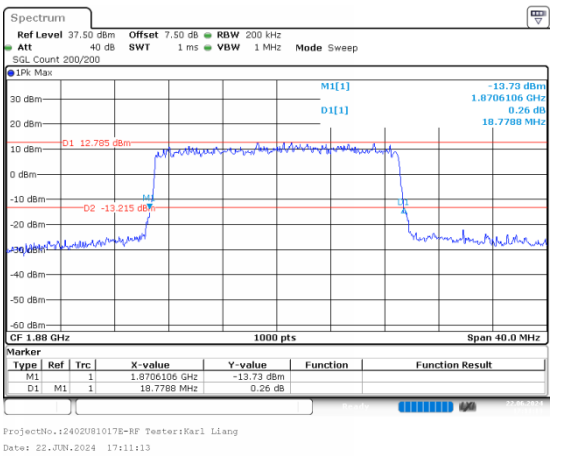


20MHz_Middle_16QAM_100@0

Occupied Bandwidth

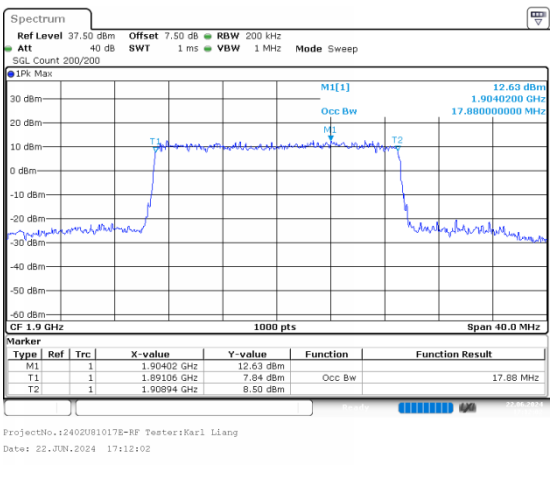


26dB Bandwidth

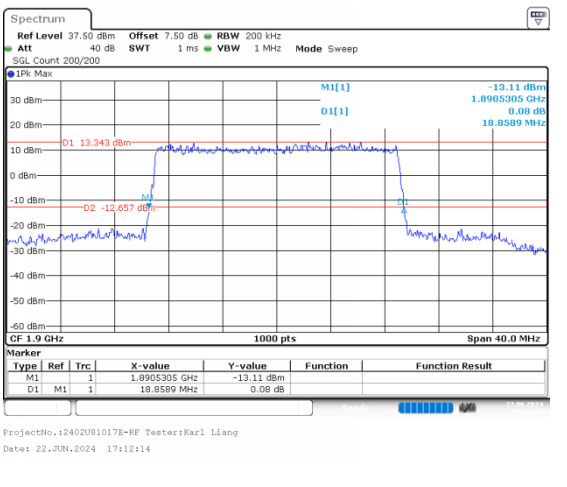


20MHz_High_QPSK_100@0

Occupied Bandwidth

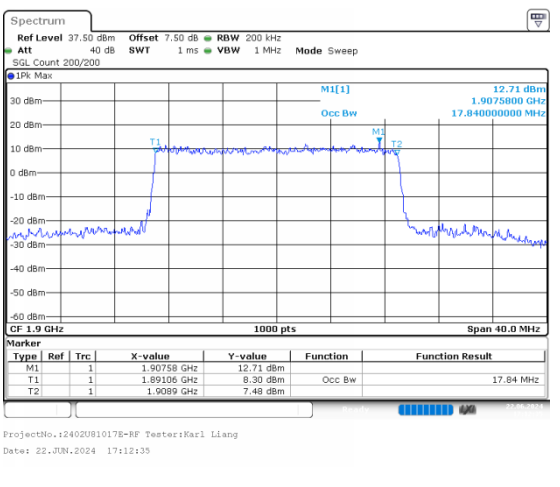


26dB Bandwidth

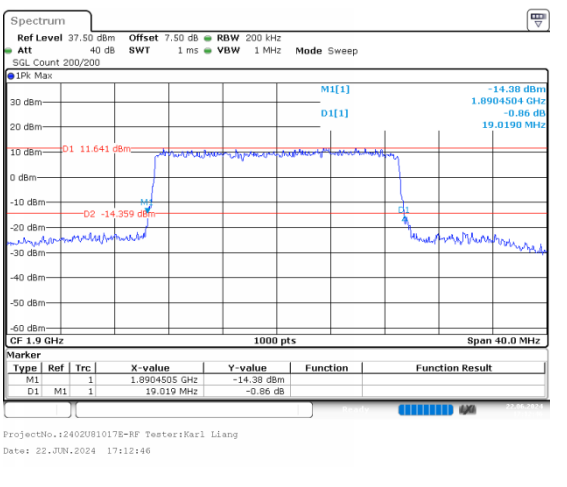


20MHz_High_16QAM_100@0

Occupied Bandwidth



26dB Bandwidth



FCC Part 27

B4 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
1.4MHz_Low_QPSK_6@0	1.089	1.253
1.4MHz_Low_16QAM_6@0	1.078	1.261
1.4MHz_Middle_QPSK_6@0	1.075	1.261
1.4MHz_Middle_16QAM_6@0	1.081	1.242
1.4MHz_High_QPSK_6@0	1.078	1.256
1.4MHz_High_16QAM_6@0	1.084	1.284
3MHz_Low_QPSK_15@0	2.688	2.889
3MHz_Low_16QAM_15@0	2.676	2.877
3MHz_Middle_QPSK_15@0	2.682	2.877
3MHz_Middle_16QAM_15@0	2.670	2.859
3MHz_High_QPSK_15@0	2.676	2.901
3MHz_High_16QAM_15@0	2.676	2.889
5MHz_Low_QPSK_25@0	4.460	4.775
5MHz_Low_16QAM_25@0	4.470	4.885
5MHz_Middle_QPSK_25@0	4.470	4.865
5MHz_Middle_16QAM_25@0	4.480	4.825
5MHz_High_QPSK_25@0	4.470	4.785
5MHz_High_16QAM_25@0	4.480	4.815
10MHz_Low_QPSK_50@0	8.940	9.510
10MHz_Low_16QAM_50@0	8.920	9.550
10MHz_Middle_QPSK_50@0	8.920	9.490
10MHz_Middle_16QAM_50@0	8.940	9.690
10MHz_High_QPSK_50@0	8.940	9.550
10MHz_High_16QAM_50@0	8.940	9.630
15MHz_Low_QPSK_75@0	13.440	14.384
15MHz_Low_16QAM_75@0	13.440	14.414
15MHz_Middle_QPSK_75@0	13.410	14.384
15MHz_Middle_16QAM_75@0	13.410	14.354
15MHz_High_QPSK_75@0	13.470	14.294
15MHz_High_16QAM_75@0	13.380	14.384
20MHz_Low_QPSK_100@0	17.880	18.899

Mode	99% OBW (MHz)	EBW (MHz)
20MHz_Low_16QAM_100@0	17.920	19.059
20MHz_Middle_QPSK_100@0	17.920	18.899
20MHz_Middle_16QAM_100@0	17.880	18.939
20MHz_High_QPSK_100@0	17.840	18.819
20MHz_High_16QAM_100@0	17.840	18.859

B7 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.795
5MHz_Low_16QAM_25@0	4.470	4.835
5MHz_Middle_QPSK_25@0	4.470	4.815
5MHz_Middle_16QAM_25@0	4.470	4.775
5MHz_High_QPSK_25@0	4.480	4.825
5MHz_High_16QAM_25@0	4.480	4.825
10MHz_Low_QPSK_50@0	8.920	9.590
10MHz_Low_16QAM_50@0	8.920	9.510
10MHz_Middle_QPSK_50@0	8.940	9.590
10MHz_Middle_16QAM_50@0	8.960	9.550
10MHz_High_QPSK_50@0	8.940	9.550
10MHz_High_16QAM_50@0	8.920	9.610
15MHz_Low_QPSK_75@0	13.440	14.324
15MHz_Low_16QAM_75@0	13.440	14.414
15MHz_Middle_QPSK_75@0	13.380	14.444
15MHz_Middle_16QAM_75@0	13.410	14.354
15MHz_High_QPSK_75@0	13.410	14.414
15MHz_High_16QAM_75@0	13.410	14.414
20MHz_Low_QPSK_100@0	17.840	19.139
20MHz_Low_16QAM_100@0	17.840	19.019
20MHz_Middle_QPSK_100@0	17.840	18.819
20MHz_Middle_16QAM_100@0	17.840	18.819
20MHz_High_QPSK_100@0	17.920	19.099
20MHz_High_16QAM_100@0	17.920	19.099

B12 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
1.4MHz_Low_QPSK_6@0	1.075	1.239
1.4MHz_Low_16QAM_6@0	1.081	1.258
1.4MHz_Middle_QPSK_6@0	1.081	1.247
1.4MHz_Middle_16QAM_6@0	1.084	1.247
1.4MHz_High_QPSK_6@0	1.086	1.250
1.4MHz_High_16QAM_6@0	1.081	1.275
3MHz_Low_QPSK_15@0	2.676	2.853
3MHz_Low_16QAM_15@0	2.676	2.871
3MHz_Middle_QPSK_15@0	2.676	2.889
3MHz_Middle_16QAM_15@0	2.676	2.853
3MHz_High_QPSK_15@0	2.676	2.865
3MHz_High_16QAM_15@0	2.676	2.859
5MHz_Low_QPSK_25@0	4.470	4.925
5MHz_Low_16QAM_25@0	4.470	4.875
5MHz_Middle_QPSK_25@0	4.480	4.995
5MHz_Middle_16QAM_25@0	4.490	5.115
5MHz_High_QPSK_25@0	4.480	5.075
5MHz_High_16QAM_25@0	4.480	4.945
10MHz_Low_QPSK_50@0	8.940	9.650
10MHz_Low_16QAM_50@0	8.940	9.770
10MHz_Middle_QPSK_50@0	8.940	9.830
10MHz_Middle_16QAM_50@0	8.940	9.930
10MHz_High_QPSK_50@0	8.960	9.770
10MHz_High_16QAM_50@0	8.960	9.810

B17 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.470	4.985
5MHz_Low_16QAM_25@0	4.480	4.975
5MHz_Middle_QPSK_25@0	4.480	4.925
5MHz_Middle_16QAM_25@0	4.480	5.105
5MHz_High_QPSK_25@0	4.480	4.975
5MHz_High_16QAM_25@0	4.470	4.945

Mode	99% OBW (MHz)	EBW (MHz)
10MHz_Low_QPSK_50@0	8.940	9.790
10MHz_Low_16QAM_50@0	8.960	9.830
10MHz_Middle_QPSK_50@0	8.940	9.750
10MHz_Middle_16QAM_50@0	8.960	9.870
10MHz_High_QPSK_50@0	8.980	9.870
10MHz_High_16QAM_50@0	8.940	9.870

B38 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
5MHz_Low_QPSK_25@0	4.460	4.745
5MHz_Low_16QAM_25@0	4.450	4.785
5MHz_Middle_QPSK_25@0	4.470	4.845
5MHz_Middle_16QAM_25@0	4.460	4.775
5MHz_High_QPSK_25@0	4.450	4.725
5MHz_High_16QAM_25@0	4.460	4.855
10MHz_Low_QPSK_50@0	8.940	9.470
10MHz_Low_16QAM_50@0	8.940	9.409
10MHz_Middle_QPSK_50@0	8.960	9.590
10MHz_Middle_16QAM_50@0	8.960	9.429
10MHz_High_QPSK_50@0	8.940	9.530
10MHz_High_16QAM_50@0	8.960	9.510
15MHz_Low_QPSK_75@0	13.410	14.475
15MHz_Low_16QAM_75@0	13.440	14.835
15MHz_Middle_QPSK_75@0	13.440	14.444
15MHz_Middle_16QAM_75@0	13.440	15.976
15MHz_High_QPSK_75@0	13.470	14.384
15MHz_High_16QAM_75@0	13.440	14.414
20MHz_Low_QPSK_100@0	17.880	18.859
20MHz_Low_16QAM_100@0	17.880	18.779
20MHz_Middle_QPSK_100@0	17.840	19.219
20MHz_Middle_16QAM_100@0	17.920	18.979
20MHz_High_QPSK_100@0	17.880	18.819
20MHz_High_16QAM_100@0	17.840	19.099

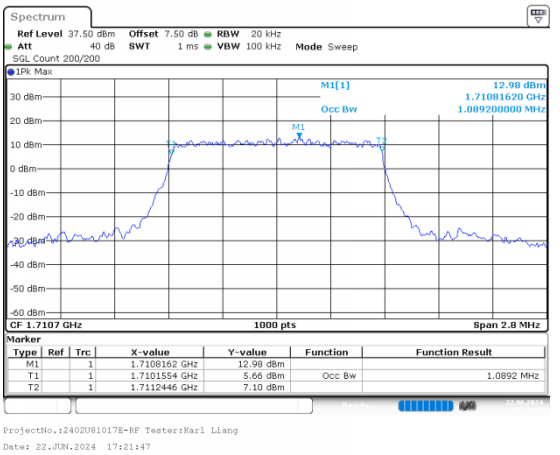
B41_2 , Normal

Mode	99% OBW (MHz)	EBW (MHz)
2_5MHz_Low_QPSK_25@0	4.450	4.815
2_5MHz_Low_16QAM_25@0	4.460	4.835
2_5MHz_Middle_QPSK_25@0	4.460	4.795
2_5MHz_Middle_16QAM_25@0	4.470	4.765
2_5MHz_High_QPSK_25@0	4.470	4.705
2_5MHz_High_16QAM_25@0	4.460	4.795
2_10MHz_Low_QPSK_50@0	8.940	9.570
2_10MHz_Low_16QAM_50@0	8.940	9.770
2_10MHz_Middle_QPSK_50@0	8.940	9.510
2_10MHz_Middle_16QAM_50@0	8.960	9.409
2_10MHz_High_QPSK_50@0	8.920	9.470
2_10MHz_High_16QAM_50@0	8.940	9.610
2_15MHz_Low_QPSK_75@0	13.410	14.475
2_15MHz_Low_16QAM_75@0	13.410	14.475
2_15MHz_Middle_QPSK_75@0	13.410	14.925
2_15MHz_Middle_16QAM_75@0	13.440	14.174
2_15MHz_High_QPSK_75@0	13.410	14.535
2_15MHz_High_16QAM_75@0	13.470	15.405
2_20MHz_Low_QPSK_100@0	17.920	18.739
2_20MHz_Low_16QAM_100@0	17.840	18.939
2_20MHz_Middle_QPSK_100@0	17.880	18.859
2_20MHz_Middle_16QAM_100@0	17.880	18.899
2_20MHz_High_QPSK_100@0	17.880	18.699
2_20MHz_High_16QAM_100@0	17.880	18.979

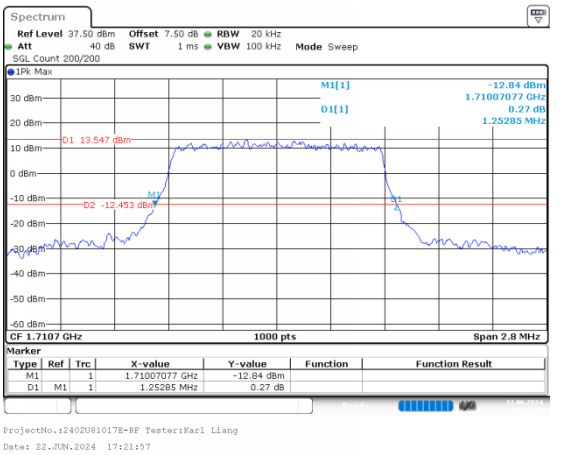
B4 , Normal

1.4MHz_Low_QPSK_6@0

Occupied Bandwidth

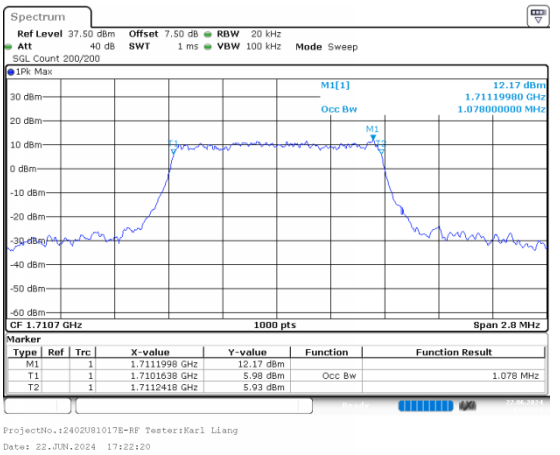


26dB Bandwidth

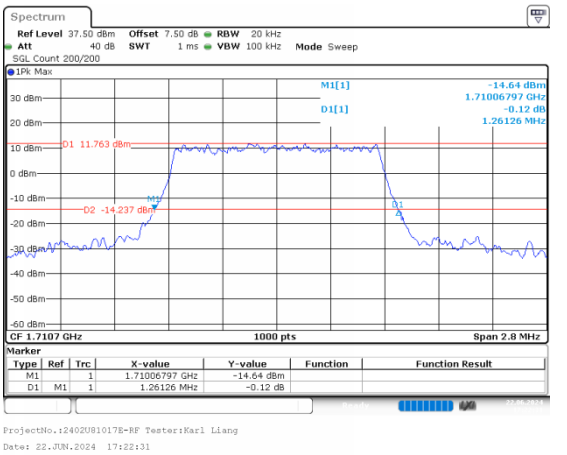


1.4MHz_Low_16QAM_6@0

Occupied Bandwidth

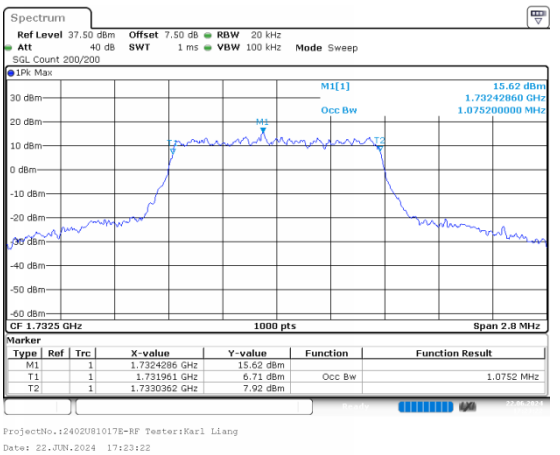


26dB Bandwidth

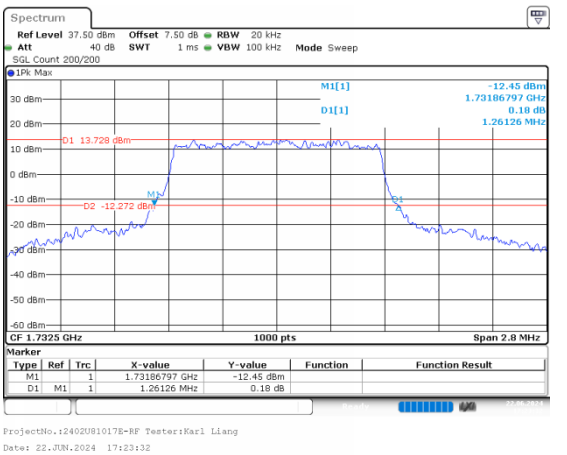


1.4MHz_Middle_QPSK_6@0

Occupied Bandwidth

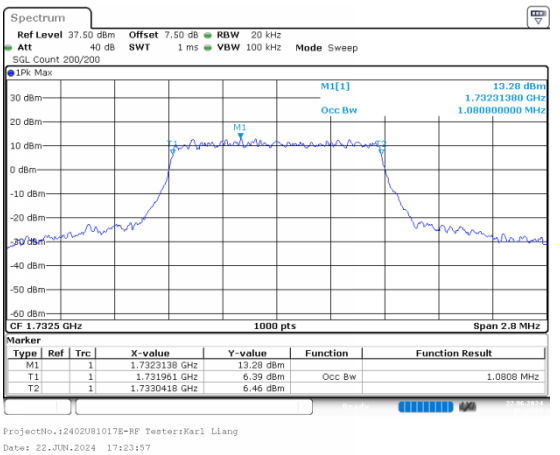


26dB Bandwidth



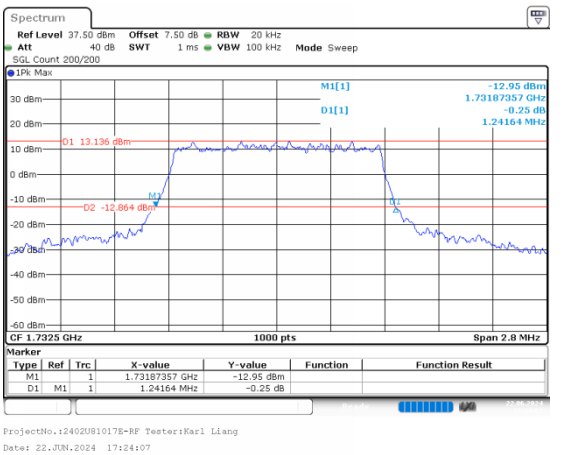
1.4MHz_Middle_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:23:57

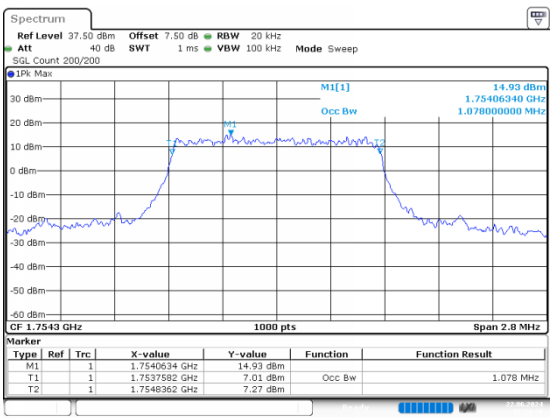
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:24:07

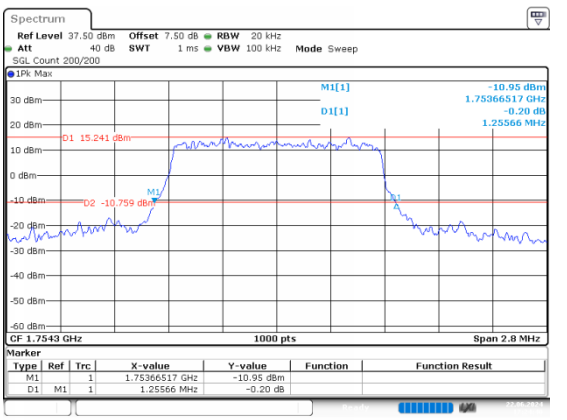
1.4MHz_High_QPSK_6@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:24:30

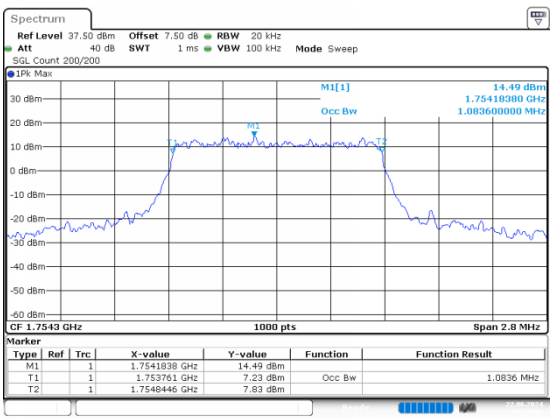
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:24:40

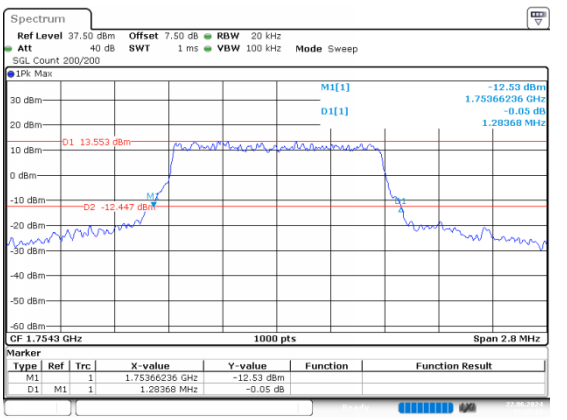
1.4MHz_High_16QAM_6@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:25:02

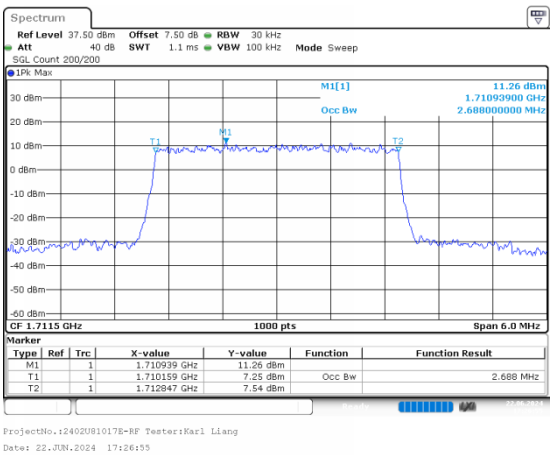
26dB Bandwidth



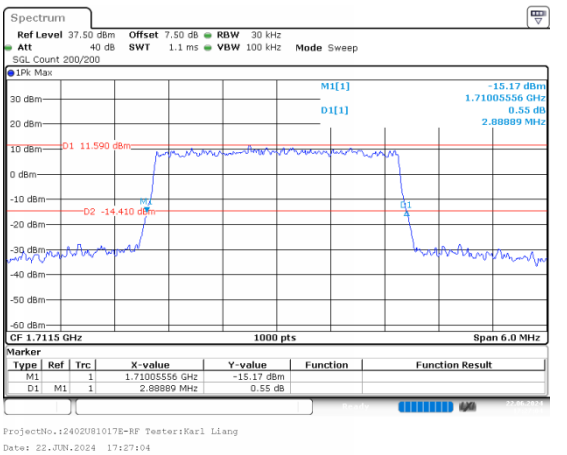
ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:25:11

3MHz_Low_QPSK_15@0

Occupied Bandwidth

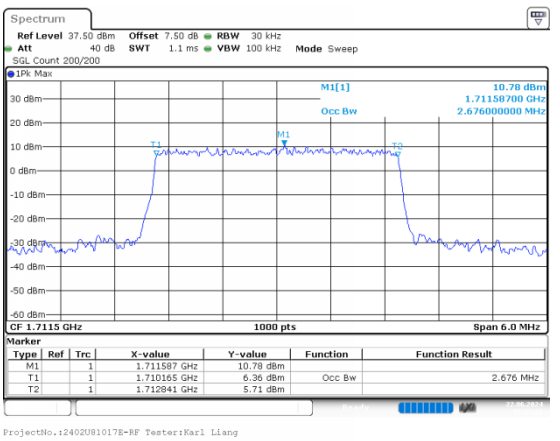


26dB Bandwidth

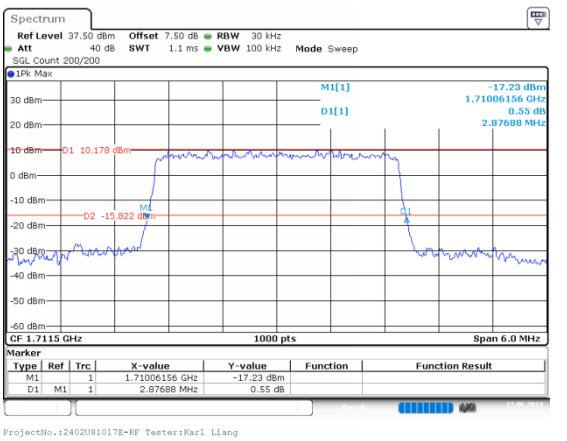


3MHz_Low_16QAM_15@0

Occupied Bandwidth

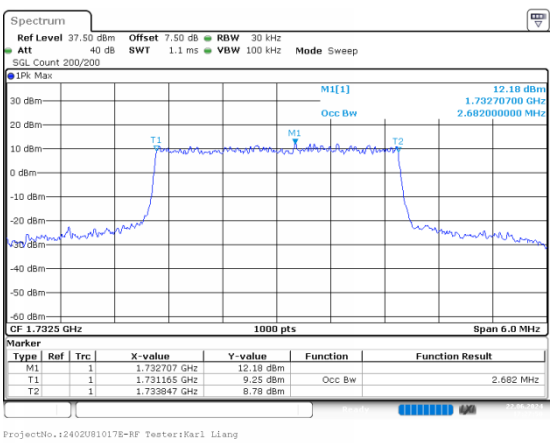


26dB Bandwidth

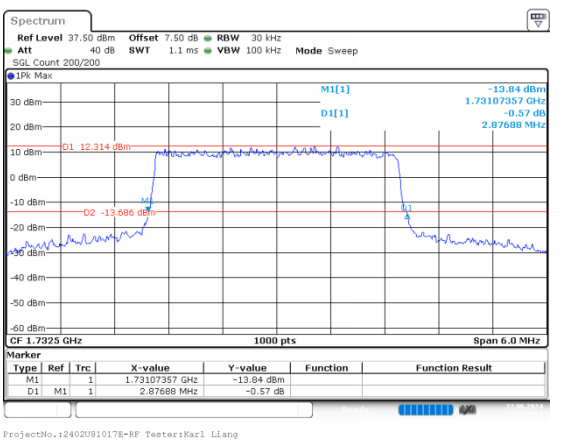


3MHz_Middle_QPSK_15@0

Occupied Bandwidth

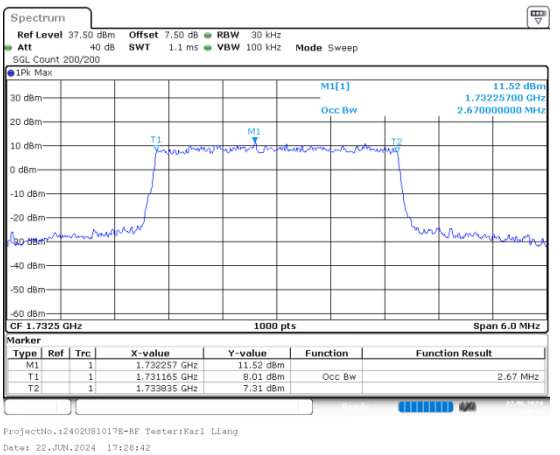


26dB Bandwidth



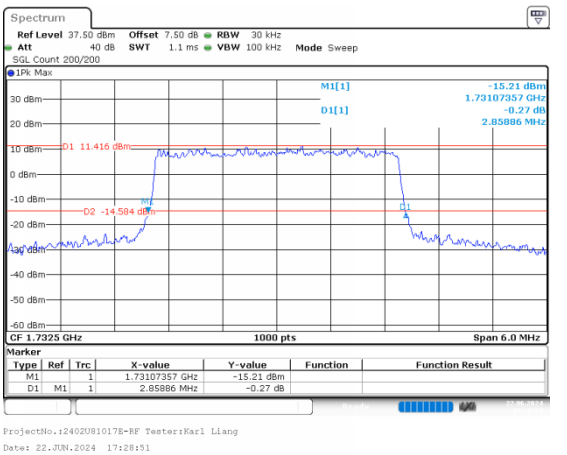
3MHz_Middle_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:28:42

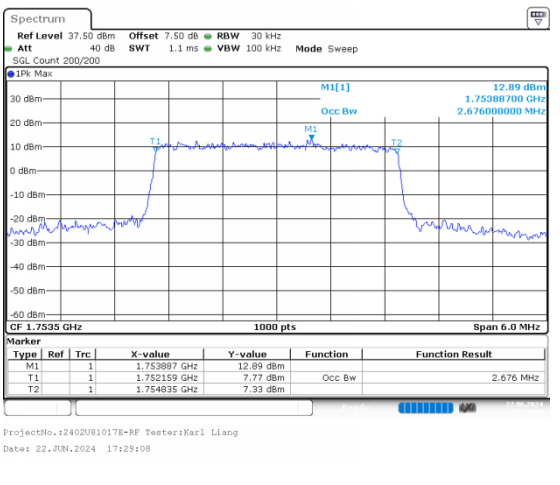
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:28:51

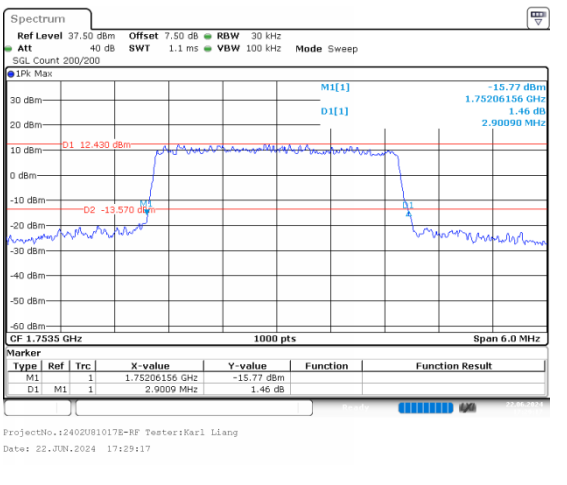
3MHz_High_QPSK_15@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:29:08

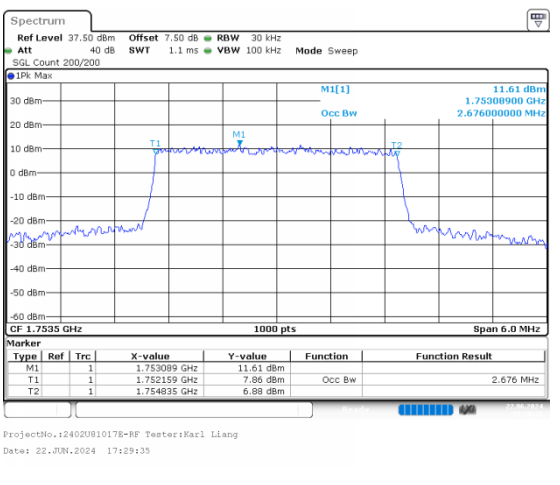
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:29:17

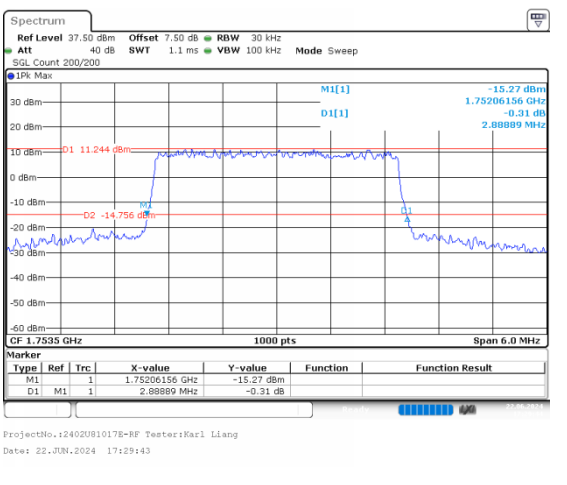
3MHz_High_16QAM_15@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:29:35

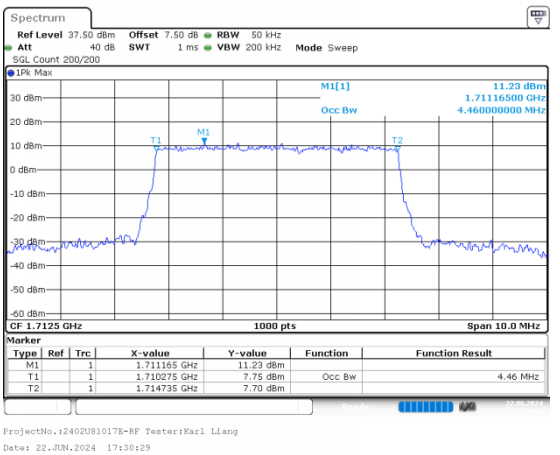
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:29:43

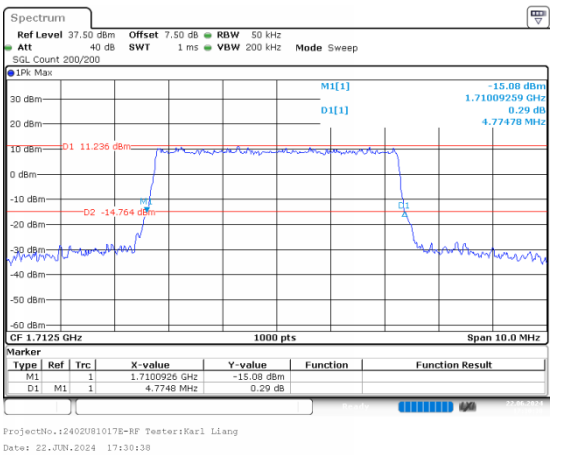
5MHz_Low_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:30:29

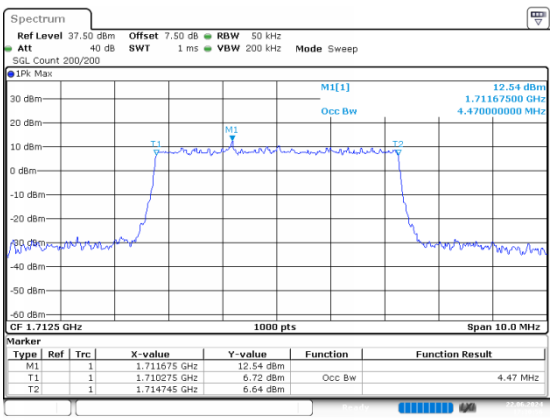
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:30:38

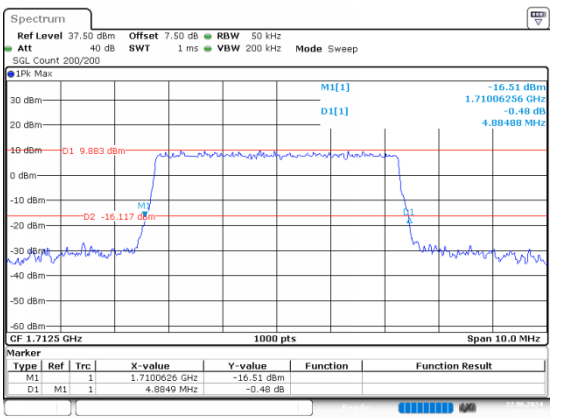
5MHz_Low_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:30:56

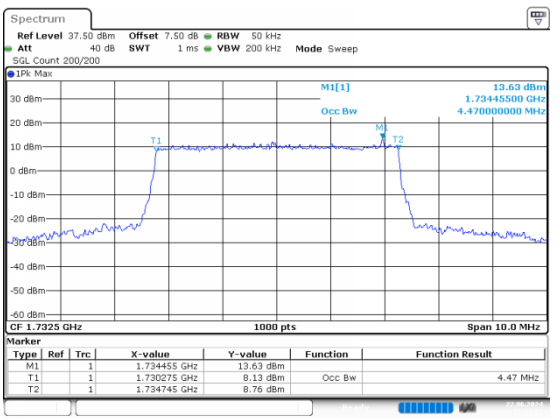
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:31:34

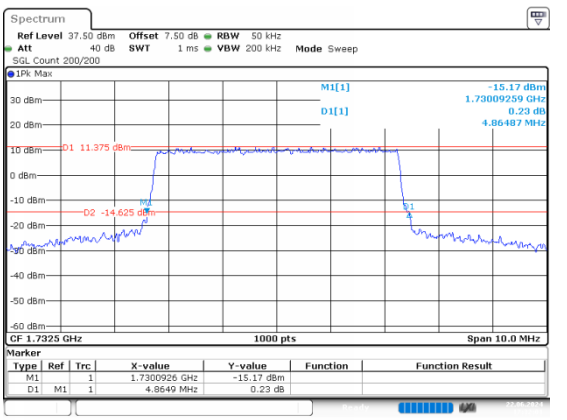
5MHz_Middle_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:31:52

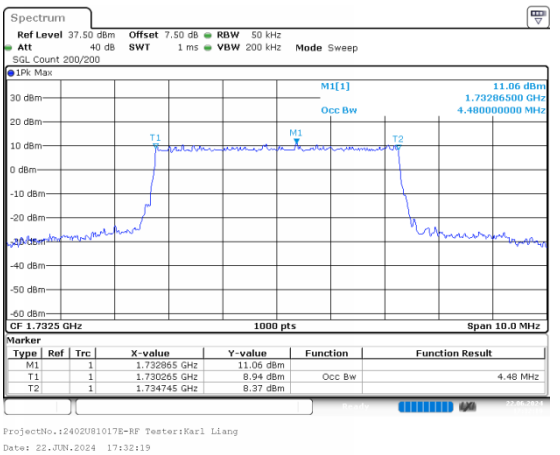
26dB Bandwidth



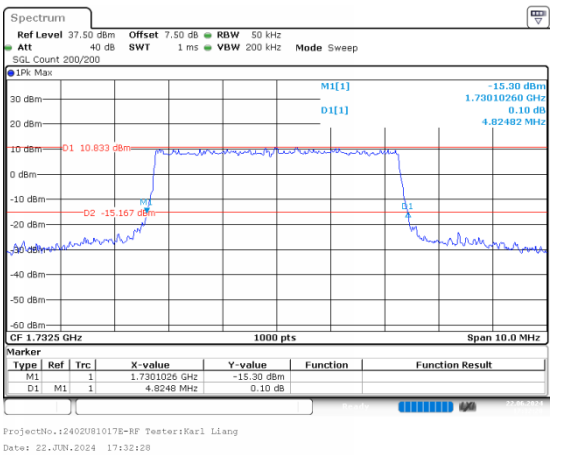
ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:32:01

5MHz_Middle_16QAM_25@0

Occupied Bandwidth

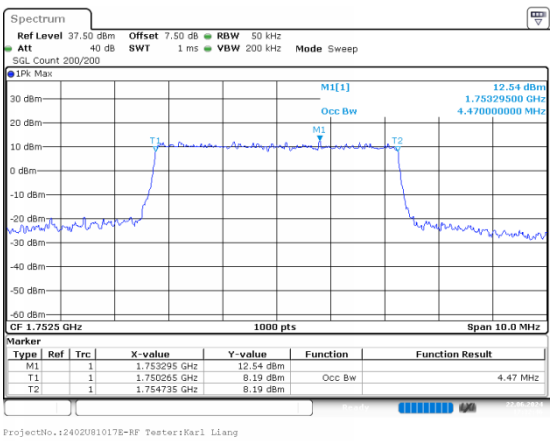


26dB Bandwidth

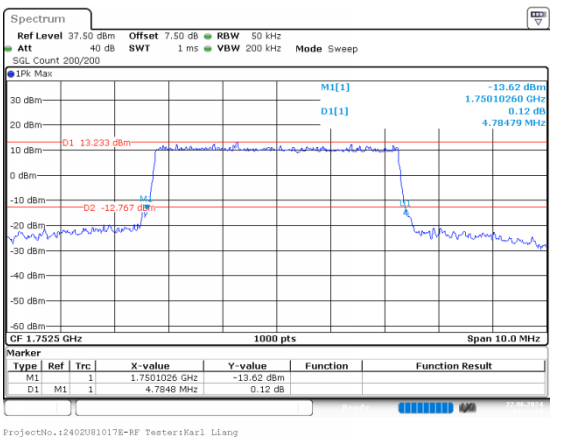


5MHz_High_QPSK_25@0

Occupied Bandwidth

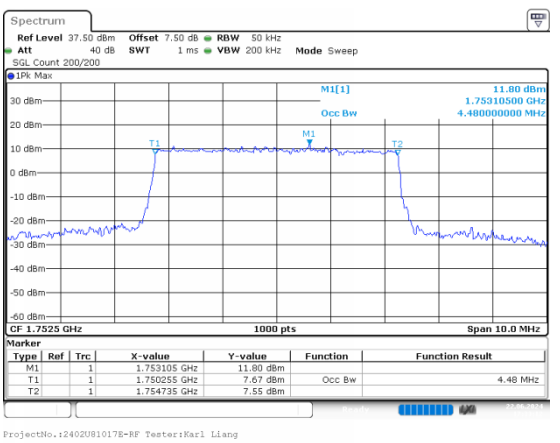


26dB Bandwidth

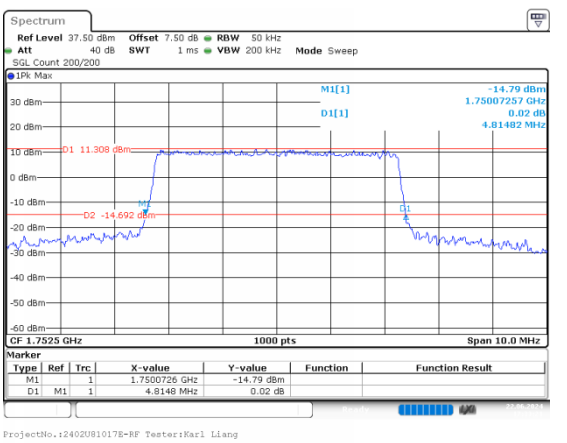


5MHz_High_16QAM_25@0

Occupied Bandwidth

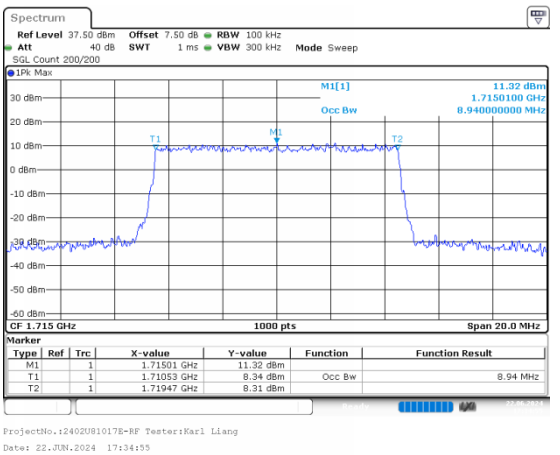


26dB Bandwidth



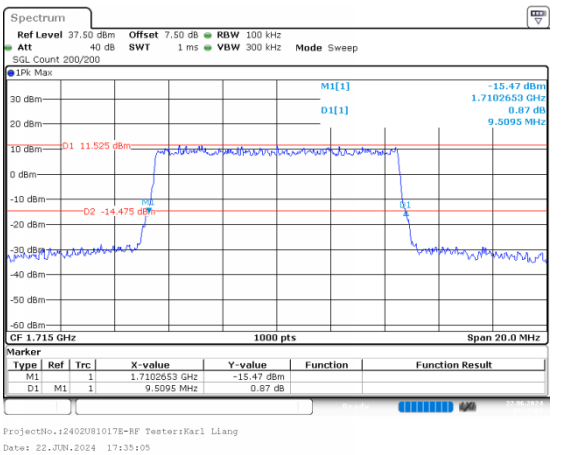
10MHz_Low_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:34:55

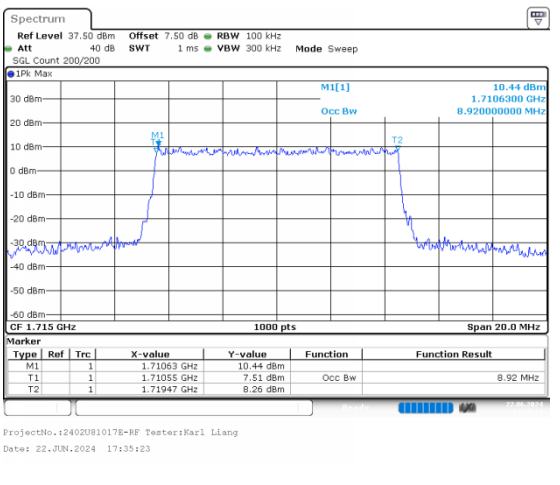
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:35:05

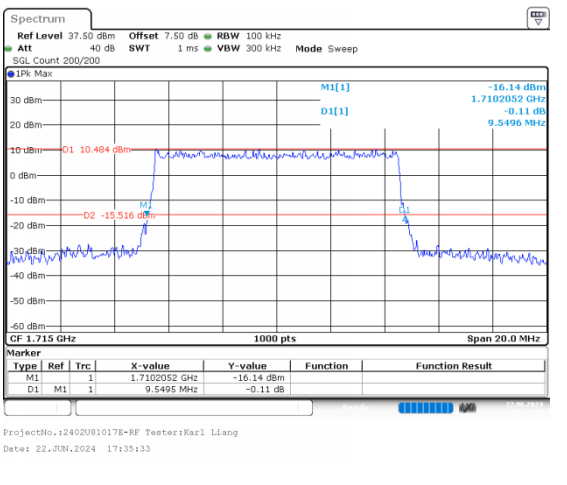
10MHz_Low_16QAM_50@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:35:23

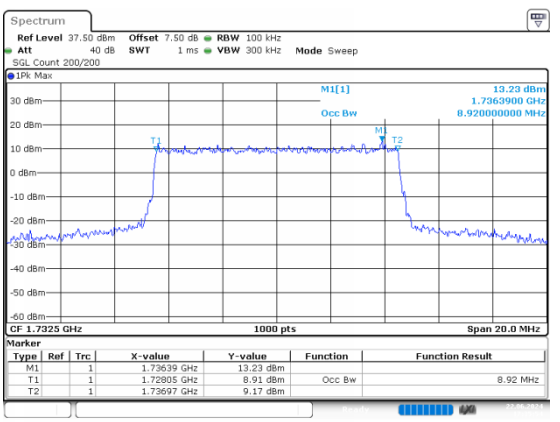
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:35:33

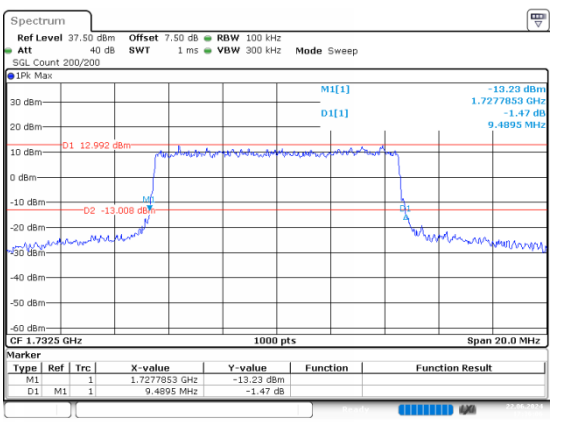
10MHz_Middle_QPSK_50@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:35:54

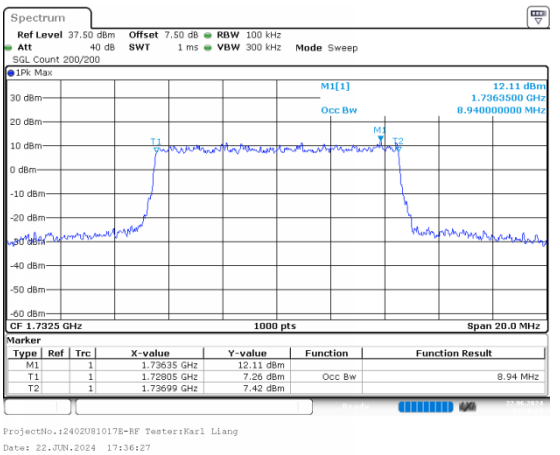
26dB Bandwidth



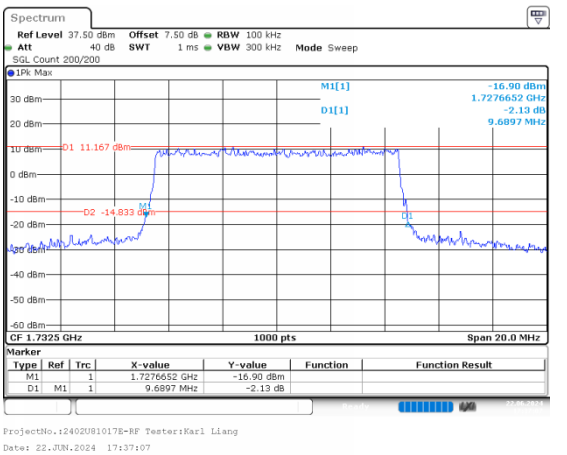
ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:36:06

10MHz_Middle_16QAM_50@0

Occupied Bandwidth

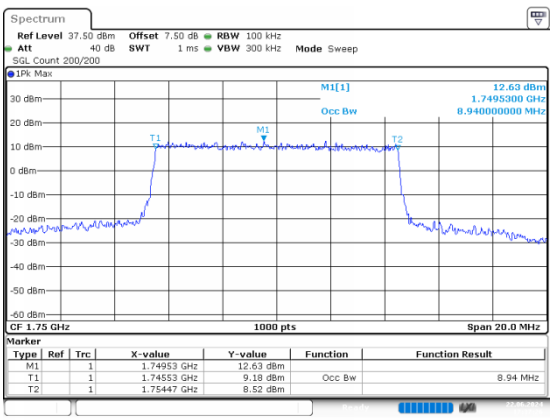


26dB Bandwidth

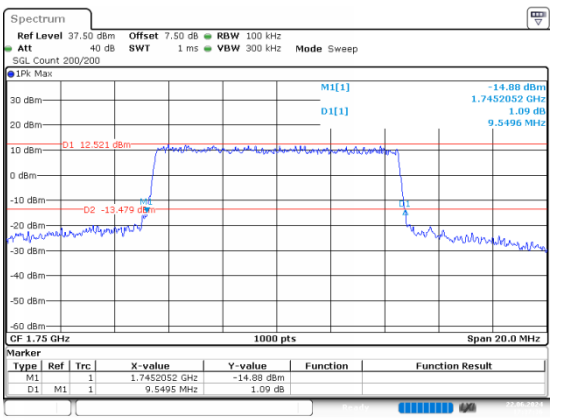


10MHz_High_QPSK_50@0

Occupied Bandwidth

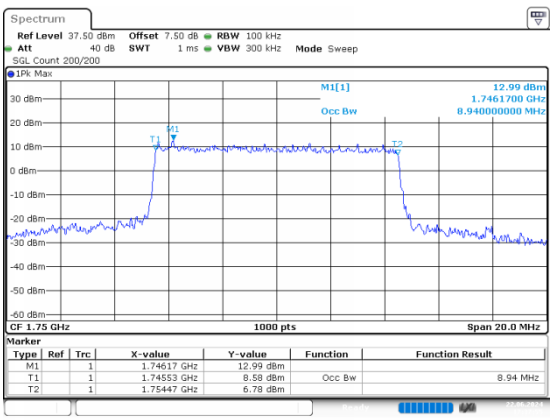


26dB Bandwidth

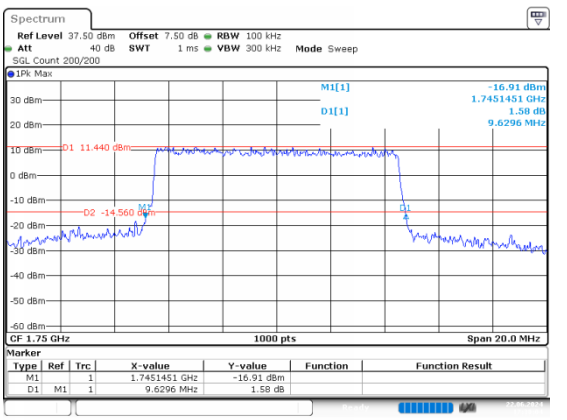


10MHz_High_16QAM_50@0

Occupied Bandwidth

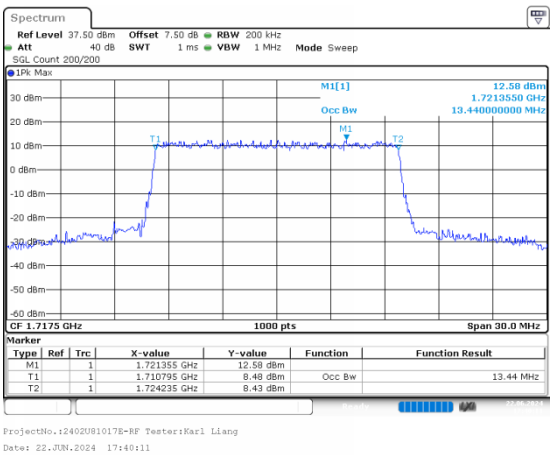


26dB Bandwidth



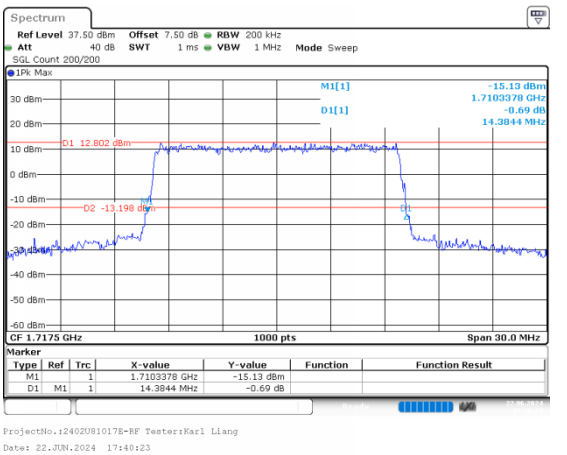
15MHz_Low_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:40:11

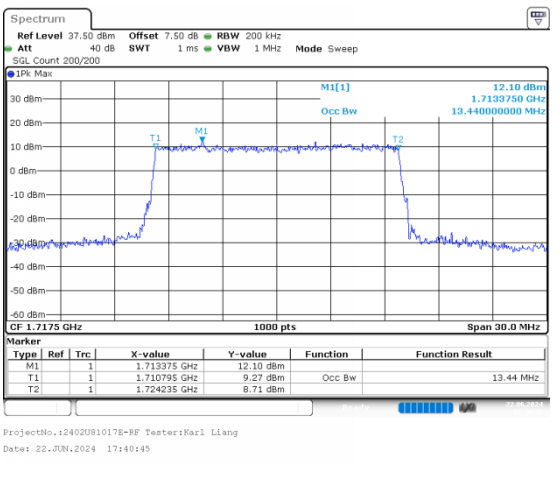
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:40:23

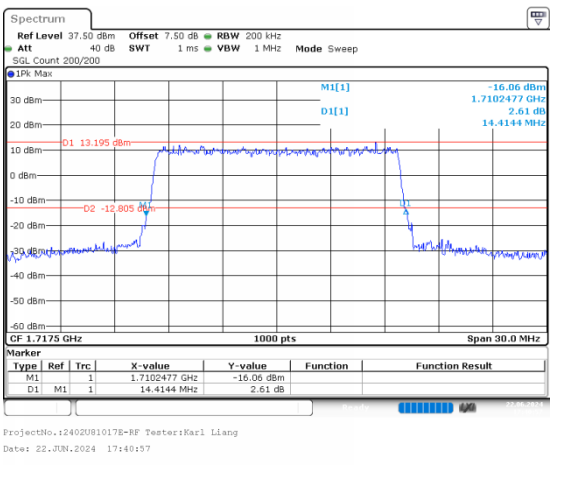
15MHz_Low_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:40:45

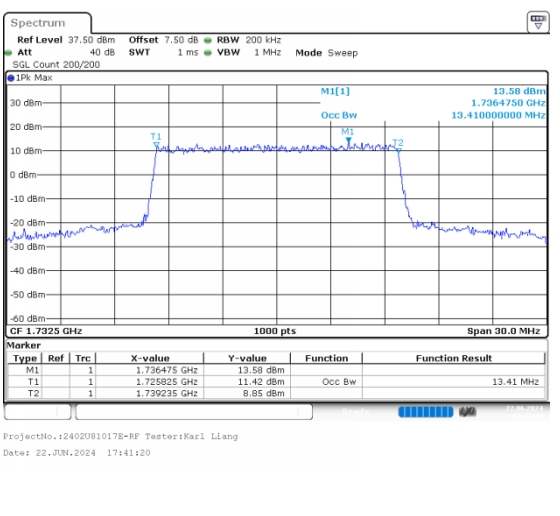
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:40:57

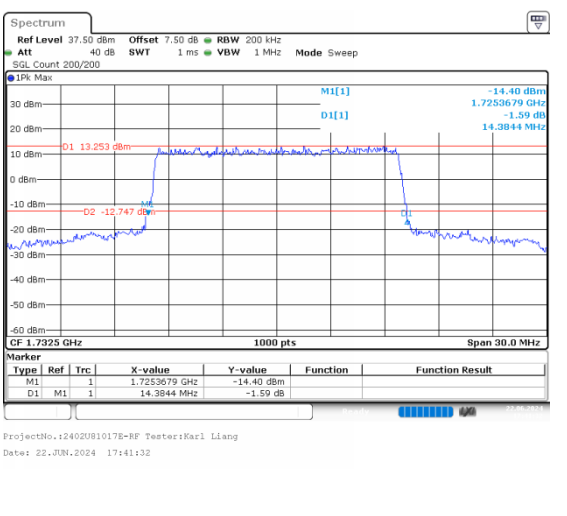
15MHz_Middle_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:41:20

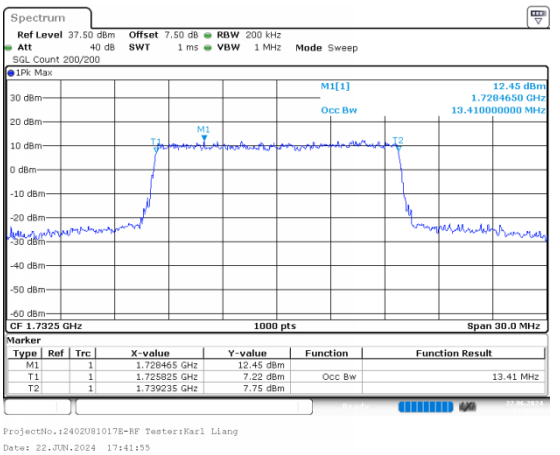
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:41:32

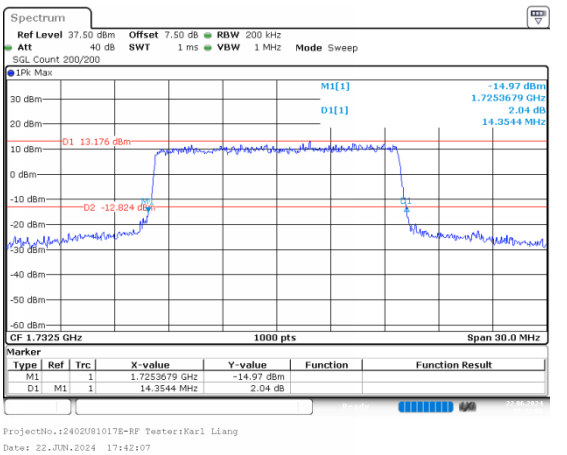
15MHz_Middle_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:41:55

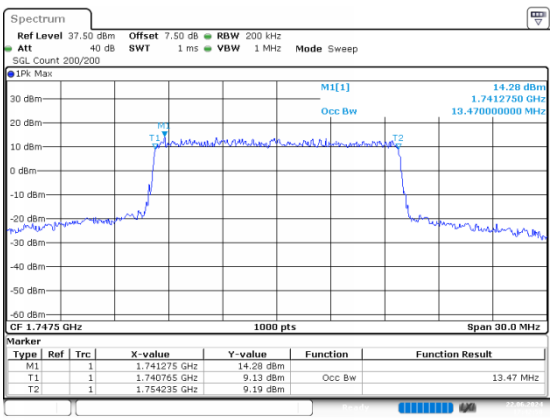
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:42:07

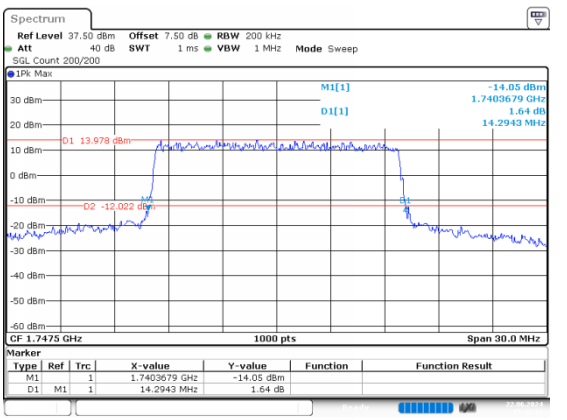
15MHz_High_QPSK_75@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:42:58

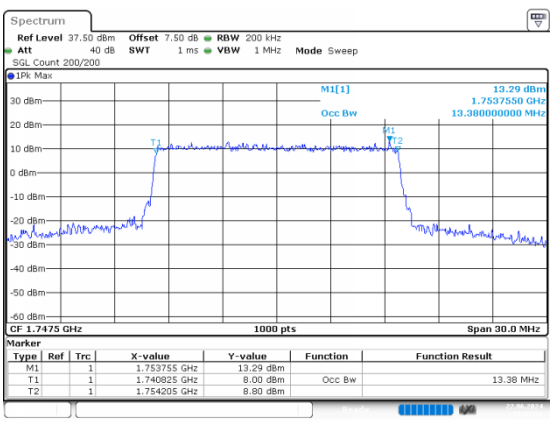
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:43:10

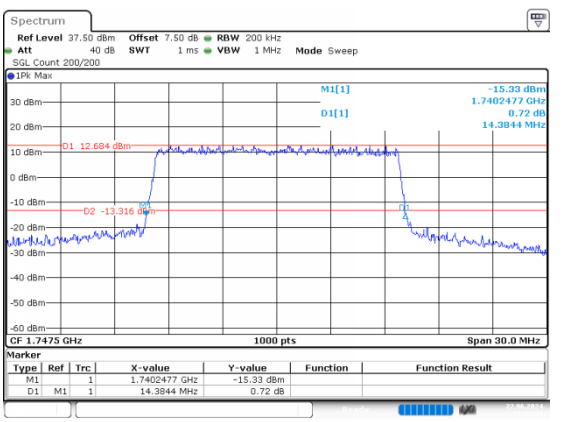
15MHz_High_16QAM_75@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:43:31

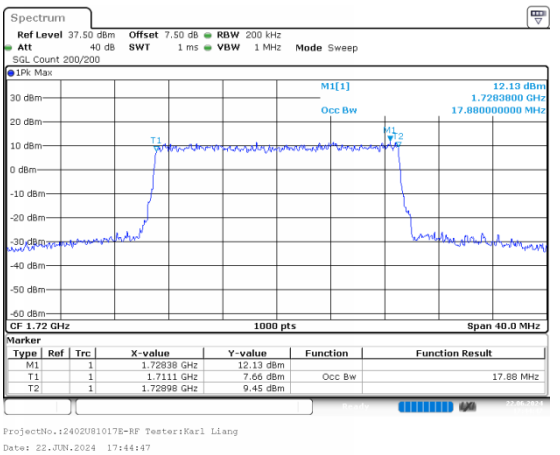
26dB Bandwidth



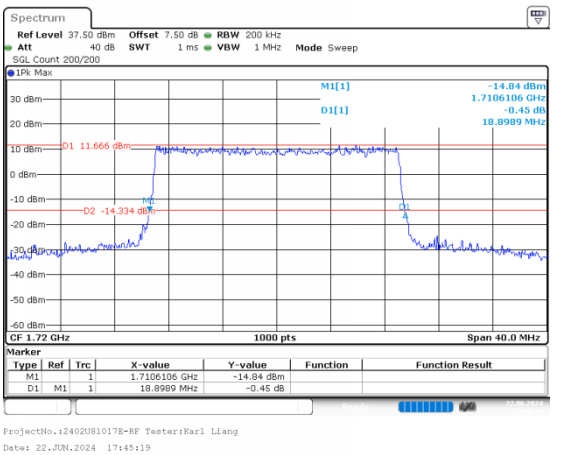
ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 17:43:42

20MHz_Low_QPSK_100@0

Occupied Bandwidth

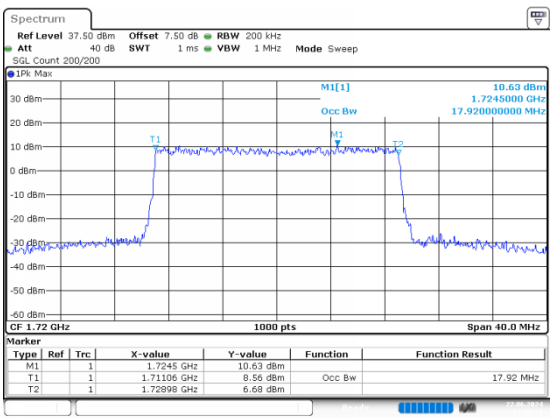


26dB Bandwidth

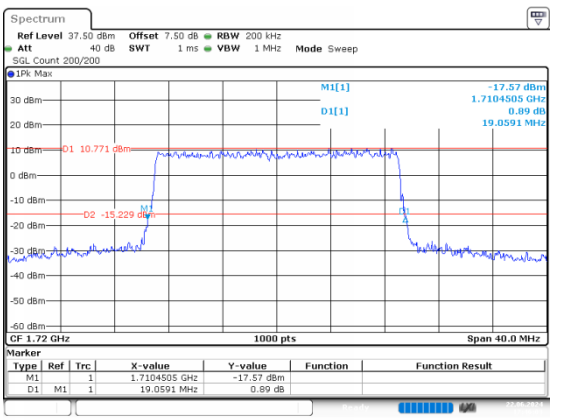


20MHz_Low_16QAM_100@0

Occupied Bandwidth

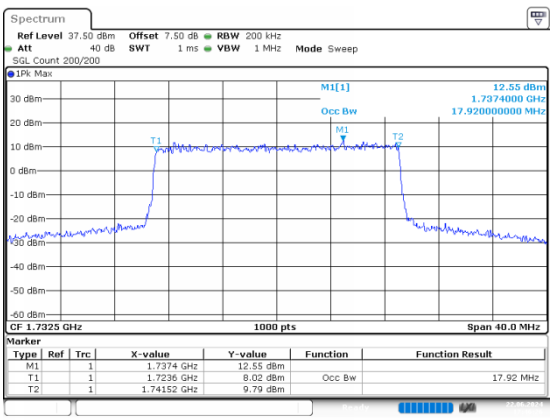


26dB Bandwidth

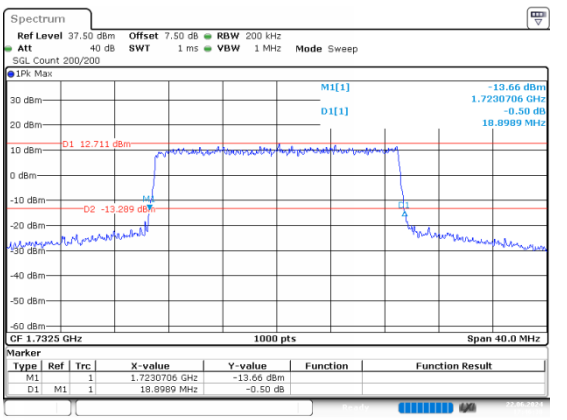


20MHz_Middle_QPSK_100@0

Occupied Bandwidth

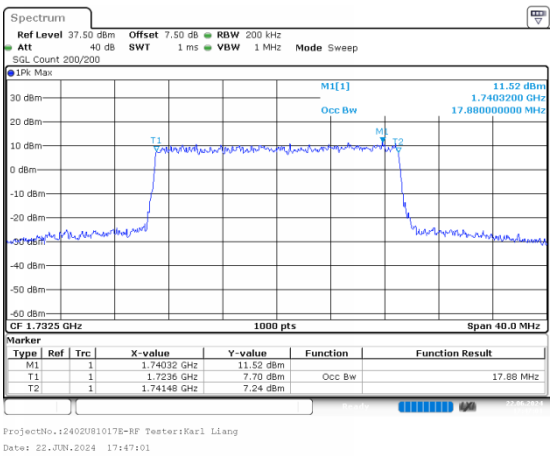


26dB Bandwidth

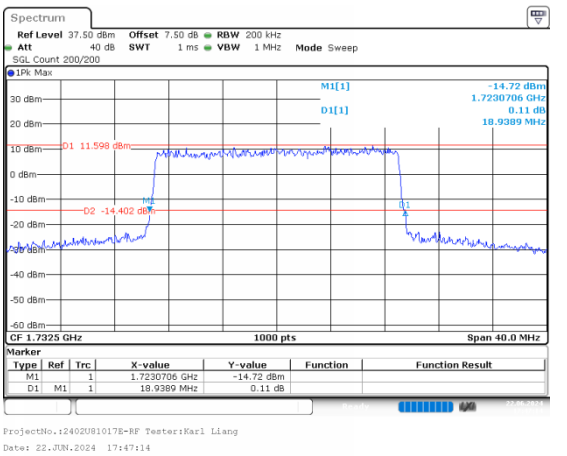


20MHz_Middle_16QAM_100@0

Occupied Bandwidth

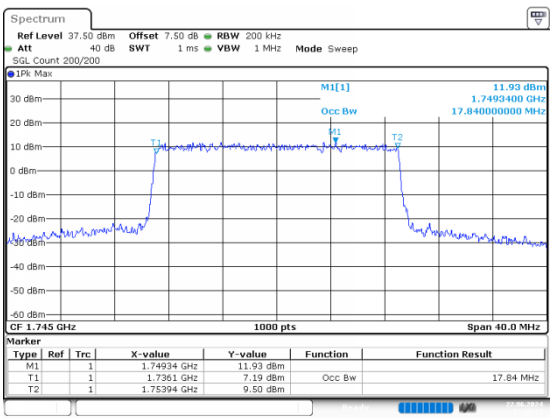


26dB Bandwidth

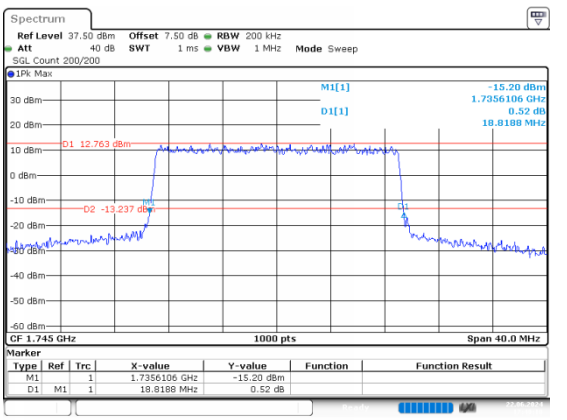


20MHz_High_QPSK_100@0

Occupied Bandwidth

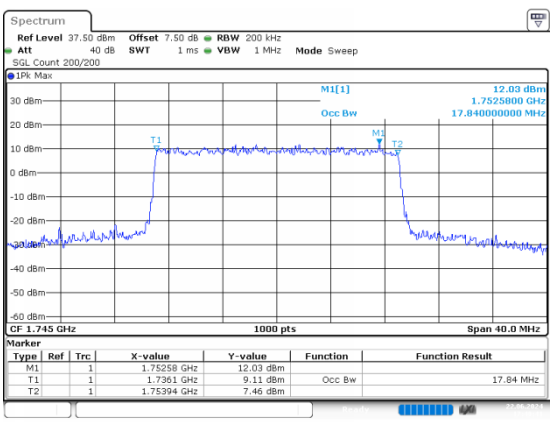


26dB Bandwidth

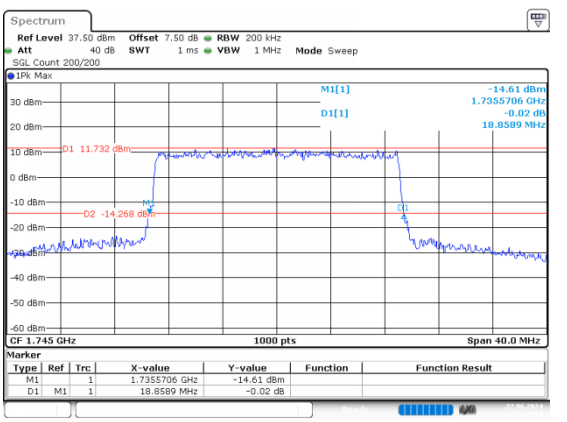


20MHz_High_16QAM_100@0

Occupied Bandwidth



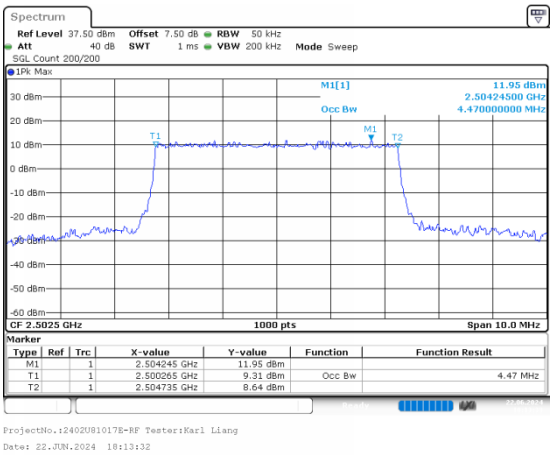
26dB Bandwidth



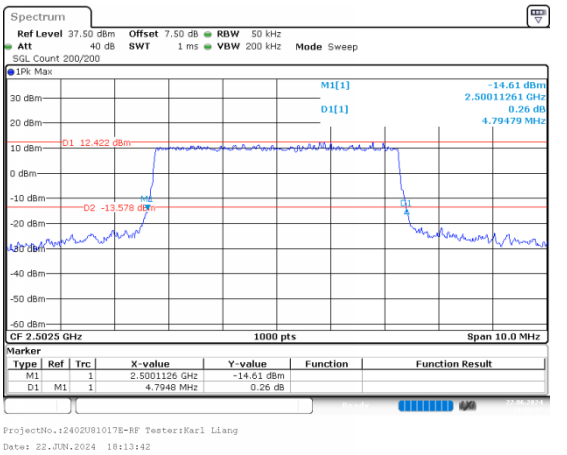
B7 , Normal

5MHz_Low_QPSK_25@0

Occupied Bandwidth

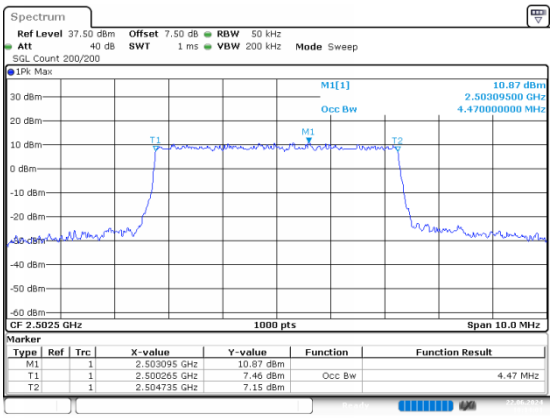


26dB Bandwidth

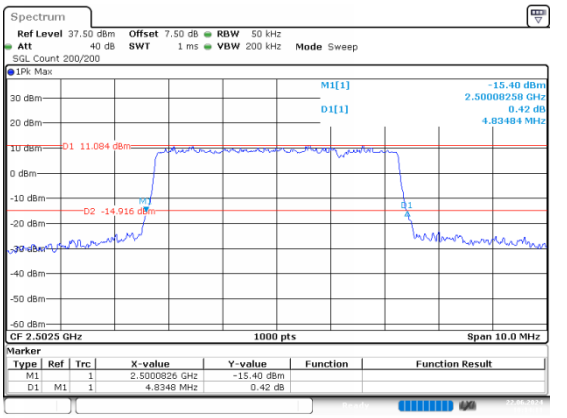


5MHz_Low_16QAM_25@0

Occupied Bandwidth

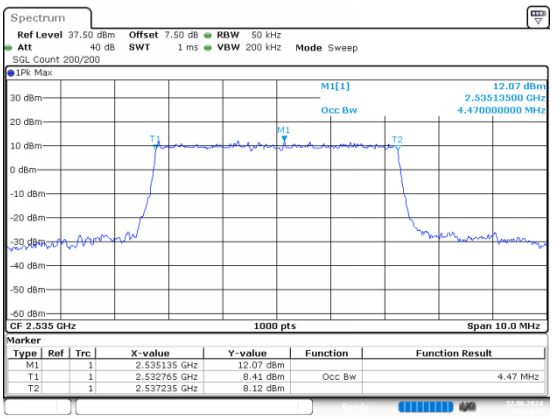


26dB Bandwidth

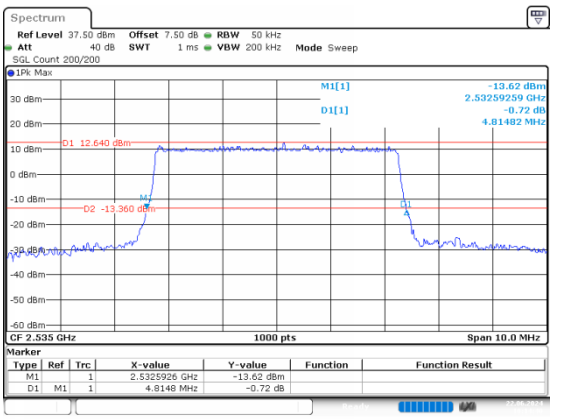


5MHz_Middle_QPSK_25@0

Occupied Bandwidth

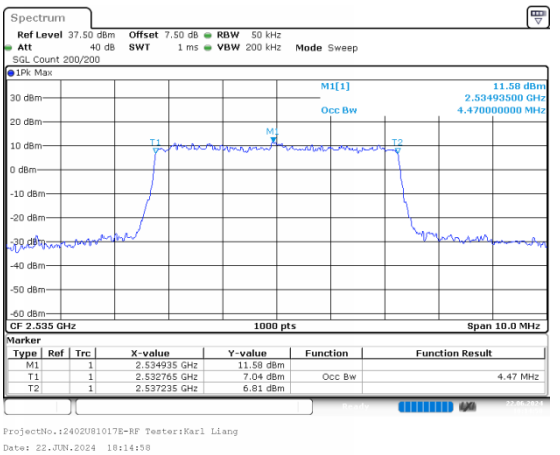


26dB Bandwidth



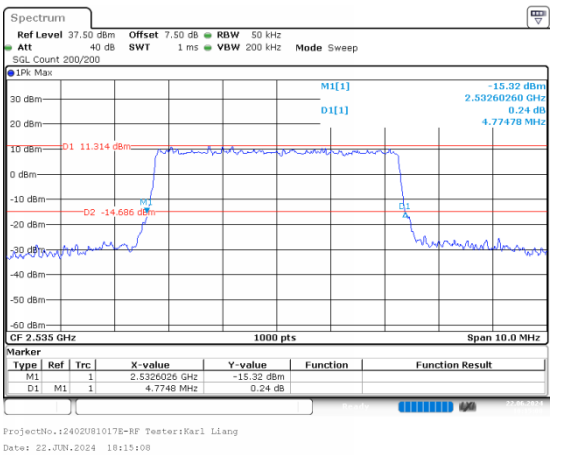
5MHz_Middle_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 18:14:58

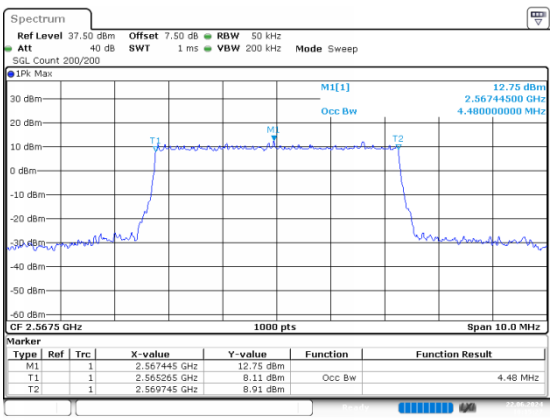
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 18:15:08

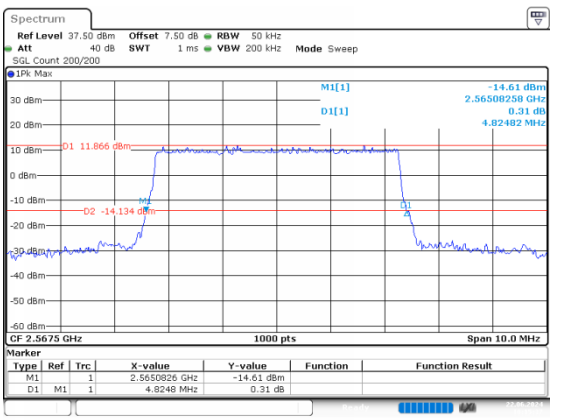
5MHz_High_QPSK_25@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 18:15:27

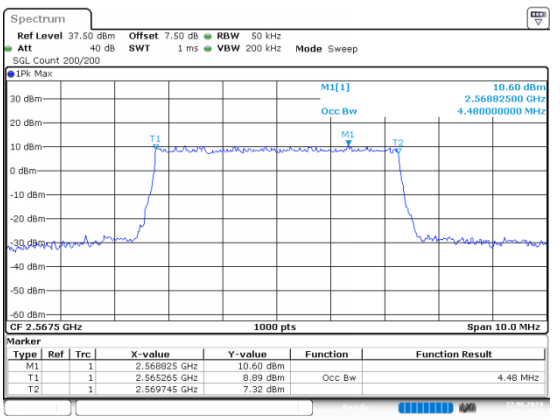
26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 18:15:37

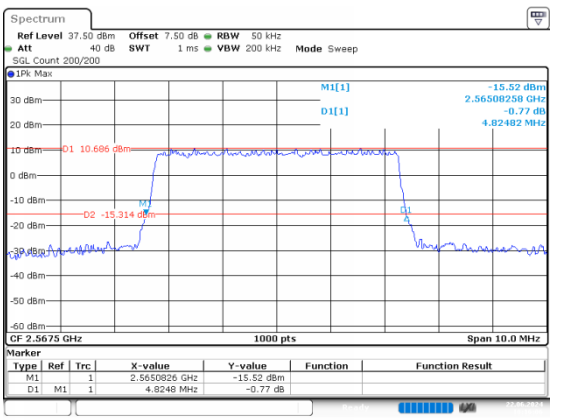
5MHz_High_16QAM_25@0

Occupied Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 18:15:56

26dB Bandwidth



ProjectNo.:2402U81017E-RF Tester:Karl Liang
Date: 22.JUN.2024 18:16:06